

# **LONE WORKER RISK**

## **TECHNOLOGY SOLUTIONS**

*PRESENTATION TO AIRM  
MEMBERS*

*By Radio & Security Products LTD*

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# Introduction

- Michael McGuirk.
- Radio & Security Products LTD
- Turnkey radio/wireless solutions supplier
- Key site examples
  - CENTRAL MENTAL HOSPITAL
  - SIMON HOSTELS
  - PEAMOUNT HOSPITAL
  - FARMLEIGH
  - HOUSES OF THE OIREACHTAS.

# TYPES OF RISK

- **SECURITY-ATTACK**
- **HEALTH AND SAFETY-FALL/  
INCAPACITY**

# CATEGORIES OF LONE WORKER

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- **CAMPUS/SITE BASED**
  
- **WIDE AREA/CITY- NATIONAL - INTERNATIONAL.**

# SIMPLEST CAMPUS SECURITY SOLUTION



# **SIMPLEST HEALTH & SAFETY SOLUTION**

- **SEND SOMEONE TO HOLD THEIR HAND**



# TECHNOLOGY SOLUTIONS

- RADIO/WIRELESS
- CELL-PHONE/GPS
- INFRA-RED

# RADIO/WIRELESS SOLUTIONS

- LOW POWER DEVICES, DESIGNED TO TRIGGER A PA ALERT TO A MONITORING CENTRE, IDEAL FOR SMALL RETAIL/GARAGE FORECOURTS.
- LOW RANGE INEXPENSIVE.





# CONVENTIONAL RADIO

## SIMPLE SOLUTION

PANIC BTN



# KEY OPERATIONAL FEATURES (CONT)

- **MAN DOWN FEATURE**
  - IF RADIO MORE THAN 30 DEGREES OFF VERTICAL FOR MORE THAN 20 SECONDS IT WILL AUTO ALARM.
  - AFTER 10 SECONDS IT BEGINS TO “BEEP” TO WARN YOU, YOU CAN PREVENT ALARM BY RIGHTING.

# KEY OPERATIONAL FEATURES

- OPERATES AS A NORMAL 2 WAY PORTABLE RADIO
- HAS A TOP MOUNTED PERSONNAL ALARM BUTTON.
- WHEN PRESSED EMITS LOUD LOCAL ALARM.
- HAS A SCREEN TO DISPLAY ALARM UNIT NUMBER ACTIVATION.
- WHEN ALARM ALERTS ALL OTHER RADIOS ALERT SIMULTANEOUSLY. AND DIPLAYS ALARMED RADIO NUMBER.
- **TELLS WHO IS IN TROUBLE BUT NOT WHERE!**

# RADIO/WIRELESS SOLUTIONS

- NETWORKED LOCATION SPECIFIC SOLUTIONS
- USUALLY BESPOKE, EXPENSIVE SOLUTION WITH LOCATION ID ACHIEVED BY NETWORK OF BEACONS



# GMS/GPS WIDE AREA SOLUTIONS

- USES A GSM PHONE/SIM CARD WITH IN BUILT GPS LOCATOR.
- CAN BE MONITORED BOTH IN HOUSE AND THROUGH MONITORING STATION.
- LOCATION DISPLAYED USUALLY USING GOOGLE MAPS OR OPEN STREET MAP.
- AVAILABLE WITH MAN DOWN, EMERGENCY PUSH BUTTON, GEOFENCING ETC.
- MAY EQUIPEMENT SUPPLIERS
- SUBSTANTIAL RUNNING COST
- GOOD OUTDOOR LOCATION CABABILITY

# GSM/GPS DEVICES



# INFRA RED SOLUTIONS

- THERE ARE MANY SOLUTIONS BASED ON INFRARED TRANSMITTERS,
- REQUIRE A HARD WIRED NETWORK OF IR RECEIVERS, USUALLY ONE PER ROOM
- USED EXTENSIVELY IN PSYCHIATRIC FACILITIES



# SUMMARY

- IDENTIFY THE TYPE OF RISK.
- IDENTIFY FIRST RESPONDER
- CHOOSE THE MOST EFFECTIVE MEANS OF COMMUNICATING TO FIRST REPONDER.
- EVALUATE HOW MUCH INFORMATION IS NEEDED BY FIRST RESPONDER.
- CHOOSE THE BEST VALUE SOLUTION TO ACHIEVE THIS.



# RSP CONTACT DETAILS

- KEY CONTACT

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